

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
10-10-1 Silt Barrier- Bale	Silt Barrier- Bales & Fence	Equipment Labor Maintenance Materials for Installation
10-10-2 Silt Barrier- Fence	Silt Barrier - Bales & Fence	Equipment Labor Maintenance Materials for Installation Removal Subgrade Preparation
10-20-1 Silt Check- Geotextile Bags	Silt Check - Geotextile Bags	Equipment Labor Materials for Installation
10-20-2 Silt Check- Rock	Filter Fabric No. 2 Stone Backfill Class II / III	Equipment Labor Maintenance Materials for Installation Removal
10-30-1 Silt Trap- Type A Temporary	Silt Trap - Type A & B	Baffles / Turbidity Curtains Earthwork Equipment Labor Maintenance Materials for Installation Removal & Reclamation
10-30-2 Silt Trap- Type B Temporary	Silt Trap - Type A & B	Baffles / Turbidity Curtains Class II / III Earthwork Equipment Labor Maintenance Materials for Installation Removal & Reclamation

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
10-30-3 Silt Trap- Type A & B Permanent	Silt Trap - Type A & B Class II / III	Earthwork Equipment Labor Maintenance Materials for Installation Revegetation
10-30-4 Geotextile Filter Bag	Added When Needed	
10-40-1 Gabion Weir	Silt Control Gabion Geo-Grid Class II / III Cyclopean Rip-rap	Earthwork Equipment Labor Maintenance Materials for Installation Revegetation
10-50-1 Perimeter Dike & Swale	Site Preparation Earthwork Erosion Control Blanket- ECB Seedbed Preparation Agricultural Limestone Fertilizer Seed Mulch- Stray & Hay (If ECB not used) Cover Crop	Earthwork Equipment Labor Maintenance Materials for Installation

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
21-10-1 ECB Diversion W/ Berm	Silt Barrier - Bales & Fence Erosion Control Blanket- ECB Seedbed Preparation Agricultural Limestone Fertilizer Seed	Earthwork Equipment Labor Materials for Installation Subgrade Preparation
21-10-2 ECB Ditch- "V"	Erosion Control Blanket- ECB Seedbed Preparation Agricultural Limestone Fertilizer Seed	Equipment Labor Materials for Installation Subgrade Preparation
21-10-3 ECB Ditch- Swale	Erosion Control Blanket- ECB Class II / III Seedbed Preparation Agricultural Limestone Fertilizer Seed	Equipment Labor Materials for Installation Subgrade Preparation
21-10-4 ECB Ditch- Flat Bottom	Silt Barrier - Bales & Fence Erosion Control Blanket- ECB Class II / III Seedbed Preparation Agricultural Limestone Fertilizer Seed	Equipment Labor Materials for Installation Subgrade Preparation
21-10-5 ECB Channel Installation	NA	NA
21-20-1 Class II Ditch- Flat Bottom	Filter Fabric Geo-Grid Erosion Control Blanket- ECB Class II / III Seedbed Preparation Agricultural Limestone Fertilizer Seed	Equipment Excavation and disposal of acidic subsoil Labor Materials for Installation Subgrade Preparation

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
21-20-2 Class III Ditch- Flat Bottom	Filter Fabric Geo-Grid Erosion Control Blanket- ECB Class II / III Cyclopean Rip-Rap Onsite Rock Seedbed Preparation Agricultural Limestone Fertilizer Seed	Equipment Excavation and disposal of acidic subsoil Labor Materials for Installation Subgrade Preparation
21-20-3 Inlet And Outlet Ditch Treatment	Concrete Filter Fabric Geo-Grid Class II / III Cyclopean Rip-Rap Onsite Rock	Earthwork Equipment Labor Materials for Installation Subgrade Preparation
21-30-1 Concrete Block- Tied Mat	Concrete (Only for extra anchors, initial one incidental) Concrete Block- Tied Mat Seedbed Preparation Agricultural Limestone Fertilizer Seed	Anchors Concrete (Initial anchor) Equipment Geo-grid Labor Materials for Installation Subgrade Preparation
21-40-1 Gabion Ditch- "V"	Filter Fabric Geo-Grid Erosion Control Blanket- ECB Gabion "V" & Trapezoidal Ditch Seedbed Preparation Agricultural Limestone Fertilizer Seed	Class II Backfill Earthwork Equipment Labor Materials for Installation Subgrade Preparation
21-40-2 Gabion Ditch- Trapezoidal 3', 6', 9' Width	Filter Fabric Geo-Grid Erosion Control Blanket- ECB Gabion "V" & Trapezoidal Ditch Seedbed Preparation Agricultural Limestone Fertilizer Seed	Class II Backfill Earthwork Equipment Labor Materials for Installation Subgrade Preparation

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
21-40-3 Gabion Ditch- Rectangular 4' Flat Bottom Even Side Heights	Filter Fabric Geo-Grid Erosion Control Blanket- ECB Gabion Rectangular Ditch Seedbed Preparation Agricultural Limestone Fertilizer Seed	Class II Backfill Earthwork Equipment Labor Materials for Installation Subgrade Preparation
21-40-4 Gabion Ditch- Rectangular 4' Flat Bottom Uneven Side Heights	Filter Fabric Geo-Grid Erosion Control Blanket- ECB Gabion Rectangular Ditch Seedbed Preparation Agricultural Limestone Fertilizer Seed	Class II Backfill Earthwork Equipment Labor Materials for Installation Subgrade Preparation
21-40-5 Gabion Ditch- Rectangular 6' & 8' Flat Bottom	Filter Fabric Geo-Grid Erosion Control Blanket- ECB Gabion Rectangular Ditch Seedbed Preparation Agricultural Limestone Fertilizer Seed	Class II Backfill Earthwork Equipment Labor Materials for Installation Subgrade Preparation
21-50-1 Concrete Ditch- Swale	60 KSI Reinforcing Steel Concrete Dense Grade Aggregate	Concrete Concrete Admixture Concrete Finishing Equipment Fiber Formwork Labor Materials for Installation Subgrade Preparation
21-50-2 Concrete Ditch- Trapezoidal	60 KSI Reinforcing Steel Concrete Filter Fabric Geo-Grid Dense Grade Aggregate	Concrete Concrete Admixture Concrete Finishing Equipment Fiber Formwork Labor Materials for Installation Subgrade Preparation

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
21-50-3 Concrete Ditch- Rectangular	60 KSI Reinforcing Steel Concrete Filter Fabric Geo-Grid Concrete Ditch- Rectangular Grate and Anchor Flowable Fill	Concrete Admixture Concrete Finishing Equipment Fiber Formwork Materials for Installation Subgrade Preparation Weep hole Pipes
21-60-1 Excavated Rock Ditches	Hoe Ram Earthwork	Equipment Labor
21-70-1 ECB Anchor- Swale Ditch Seams	Class II / III	Equipment Labor Materials for Installation
21-70-2 ECB Anchor- FB Ditch Seams	Class II / III	Equipment Labor Materials for Installation
21-70-3 Gabion Ditch Anchors	NA (Part of Gabion Ditch Items)	NA
21-70-4 Concrete Weir / Anchors	Concrete Weir	Concrete Concrete Admixture Concrete Finishing Earthwork Equipment Fiber Formwork Labor Materials for Installation Steel Subgrade Preparation

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
22-10-1 Rock Toe Buttress & Drain- Type 1	Filter Fabric Geo-Grid Hoe Ram Earthwork Class II / III Cyclopean Rip-Rap Onsite Rock	Equipment Labor Materials for Installation
22-10-2 Rock Toe Buttress & Drain- Type 2	Filter Fabric Hoe Ram Earthwork Class II / III Cyclopean Rip-Rap Onsite Rock	Equipment Labor Materials for Installation
22-20-1 Rock Core Drain	Rock Core Drain	Aggregate Equipment Filter Fabric Labor Materials for Installation
22-30-1 Subdrain	No. 2 Stone Backfill (Quantity over 5' Deep) Hoe Ram Earthwork (Quantity over 5' Deep) Subdrain	Backfill Aggregate (up to 5' deep) Earthwork (up to 5' deep) Equipment Filter Fabric Labor Materials for Installation Pipe
22-30-2 Subdrain Collar	Subdrain Concrete Collars	Concrete Concrete Admixture Earthwork Equipment Fiber Formwork Labor Materials for Installation

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
22-30-3 Combination ECB Ditch-Drain	No. 2 Stone Backfill (Quantity over 5' Deep) Hoe Ram Erosion Control Blanket- ECB Seedbed Preparation Agricultural Limestone Fertilizer Seed Revegetation (LS) Residential Seeding	Backfill Aggregate (up to 5' deep) Earthwork (up to 5' deep) Equipment Filter Fabric Labor Materials for Installation Pipe
22-30-4 Combination Rock Ditch-Drain	No. 2 Stone Backfill (Quantity over 5' Deep) Hoe Ram Erosion Control Blanket- ECB Class II / III	Backfill Aggregate (up to 5' deep) Earthwork (up to 5' deep) Equipment Filter Fabric Labor Materials for Installation Pipe



DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
23-10-1 Concrete Headwalls- 12"-27" Circular Standard & "Ell"	Concrete Headwall- Pipes 36" Dia. and Smaller	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Earthwork Equipment Fiber Formwork Labor Materials for Installation Steel
23-10-2 Concrete Headwalls- 12"-27" Elliptical Standard & "Ell"	Concrete Headwall- Pipes 36" Dia. and Smaller	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Earthwork Equipment Fiber Formwork Labor Materials for Installation Steel
23-10-3 Concrete Headwalls- 12"-27" Dimensions And Quantities	NA	NA
23-10-4 Concrete Headwalls- U-Type	Concrete Headwall- Pipes 36" Dia. and Smaller Concrete Headwall- Pipes greater than 36" Dia.	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Earthwork Equipment Fiber Formwork Labor Materials for Installation Steel

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
23-10-5 Concrete Headwalls- 12"-21" Sloped & Parallel	Concrete Headwall- Pipes 36" Dia. and Smaller	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Earthwork Equipment Fiber Formwork Labor Materials for Installation Steel
23-10-6 Concrete Headwalls- 12"-27" Sloped & Flared	Concrete Headwall- Pipes 36" Dia. and Smaller	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Earthwork Equipment Fiber Formwork Labor Materials for Installation Steel
23-10-7 Concrete Headwalls- $\geq 30"$ Pipe	Concrete Headwall- Pipes greater than 36" Dia.	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Earthwork Equipment Fiber Formwork Labor Materials for Installation Steel
23-10-8 Concrete Headwalls- $\geq 30"$ Pipe Dimensions	NA	NA
23-10-9 Concrete Headwalls- $\geq 30"$ Pipe Reinforcement	NA	NA

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
23-10-10 Concrete Headwall- Dissipaters	Concrete Headwall- Pipes Greater Than 36" Dia.	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Earthwork Equipment Fiber Formwork Labor Materials for Installation Steel
23-10-11 Discharge Area Erosion Control	Grout Filter Fabric Geo-Grid Erosion Control Blanket- ECB Class II / III Cyclopean Rip-Rap Onsite Rock	Earthwork Equipment Labor Materials for Installation
23-20-1 Concrete Headwall- 18"- 24" Multiple Barrel	Concrete Headwall- Multi Barrel	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Concrete Masonry Coating Earthwork Equipment Fiber Formwork Labor Materials for Installation Steel Subgrade Preparation

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
23-20-2 Concrete Headwall- 30" - 48" Double Barrel	Concrete Headwall- Multi Barrel	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Concrete Masonry Coating Earthwork Equipment Fiber Formwork Labor Materials for Installation Steel Subgrade Preparation
23-20-3 Concrete Headwall- 30" - 48" Triple Barrel	Concrete Headwall- Multi Barrel	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Concrete Masonry Coating Earthwork Equipment Fiber Formwork Labor Materials for Installation Steel Subgrade Preparation
23-20-4 Concrete Headwall- Multiple Pipe Dimensions	NA	NA
23-20-5 Concrete Headwall- Multiple Pipe Reinforcement	NA	NA
23-30-1 Gabion Headwall	Filter Fabric Geo-grid Gabion Headwall	Earthwork Equipment Filter Fabric Geo-grid Labor Materials for Installation

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
23-40-1 CMP Joints	NA	Incidental to CMP
23-40-2 Intermediate And End Culvert Anchor	Concrete	Concrete Concrete Admixture Earthwork Equipment Formwork Labor Materials for Installation
23-50-1 Slotted Pipe Bedding	Flowable Fill Bituminous Repair	Aggregate Backfill Earthwork Equipment Labor Materials for Installation
23-50-2 Pipe Bedding- Non-Trenching Conditions	NA	NA
23-50-3 Pipe Bedding- Trenching Conditions	NA	NA
23-50-4 Pipes Cover Depths Chart Key & Notes	NA	NA
23-50-5 Circular Pipe Cover Depths	NA	NA
23-50-6 Non-Circular Pipe Cover Depths & Equivalent Circular Pipe Diameters	NA	NA
23-60-1 Culvert Debris Barrier	Culvert Debris Barrier	Concrete Concrete Admixture Equipment Labor Materials for Installation Steel

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
23-60-2 In-Stream Culvert Debris Barrier	In-Stream Culvert Debris Barrier	Concrete Concrete Admixture Equipment Labor Materials for Installation Steel

Proposed

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
24-10-1 Drop Box - Inlet Type 1	Hoe Ram Drop Box Flowable Fill	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Concrete Masonry Coating Cover (Lid / Grate) Earthwork Equipment Formwork Labor Materials for Installation Paint Steel
24-10-2 Drop Box - Inlet Type 2	Hoe Ram Drop Box Flowable Fill	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Concrete Masonry Coating Cover (Lid / Grate) Earthwork Equipment Formwork Labor Materials for Installation Paint Steel
24-10-3 Drop Box - Inlet Type 3	Hoe Ram Drop Box Flowable Fill	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Concrete Masonry Coating Cover (Lid / Grate) Earthwork Equipment Formwork Labor Materials for Installation Paint Steel

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
24-10-4 Drop Box - Grates For Inlet Type 2 & 3	NA (Incidental to Dropboxes)	NA
24-20-1 Junction Box - Frame And Accessible Lid	Hoe Ram Junction Box Flowable Fill	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Concrete Masonry Coating Cover (Lid / Grate) Earthwork Equipment Formwork Labor Materials for Installation Paint Steel Subgrade Preparation
24-20-2 Junction Box- Concrete Top	Hoe Ram Junction Box Flowable Fill	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Concrete Masonry Coating Cover (Lid / Grate) Earthwork Equipment Formwork Labor Materials for Installation Steel Subgrade Preparation
24-20-3 Junction Box Dimensions	NA	NA



DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
24-30-1 Spring Box- Inlet Type A	Hoe Ram Manhole Structure Flowable Fill	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Concrete Masonry Coating Cover (Lid / Grate) Earthwork Equipment Formwork Grate Labor Materials for Installation Steel Subgrade Preparation
24-30-2 Spring Box- Inlet Type B	Concrete Hoe Ram Manhole Structure Flowable Fill	Backfill Aggregate Concrete Concrete Admixture Concrete Finishing Concrete Masonry Coating Cover (Lid / Grate) Earthwork Equipment Formwork Grate Labor Materials for Installation Paint Steel Subgrade Preparation
24-40-1 Manhole Type A	NA	NA
24-40-2 Manhole Type A- Step Details	NA	NA
24-50-1 Security Devices For Frames, Grates, & Lids	NA	NA

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
30-10-1 Welded-Wire Reinforced Soil Wall	Filter Fabric Geo-Grid No. 2 Stone Backfill Earthwork Erosion Control Blanket- ECB Retaining Wall Subdrain Welded Wire Reinforced Soil Wall Seedbed Preparation Agricultural Limestone Fertilizer Seed Mulch- Straw & Hay Revegetation (LS) Residential Seeding Chain-Link Fence	Equipment Labor Materials for Installation Subgrade Preparation
30-10-2 Welded-Wire Reinforced Soil Wall- Form Facing Units	NA	NA
30-20-1 Non-Reinforced Block Wall- Type I	60 KSI Reinforcing Steel Concrete Filter Fabric Geo-Grid No. 57 Stone Backfill Class II Backfill Hoe Ram Retaining Wall Subdrain Non-Reinforced Concrete Block Wall- Type I Dense Grade Aggregate Chain-Link Fence	Concrete Concrete Admixture Concrete Finishing Earthwork Equipment Formwork Labor Materials for Installation Steel Subgrade Preparation

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
30-20-2 Non-Reinforced Block Wall- Type II	60 KSI Reinforcing Steel Concrete Filter Fabric Geo-Grid No. 2 Stone Backfill Class II Backfill Hoe Ram Retaining Wall Subdrain Non-Reinforced Concrete Block Wall- Type II Dense Grade Aggregate Chain-Link Fence	Concrete Admixture Concrete Finishing Concrete Masonry Coating Earthwork Equipment Formwork Labor Materials for Installation Subgrade Preparation
30-20-3 Non-Reinforced Block Wall- Type II 90° Outside Corner	NA	NA
30-30-1 Steel Pile Foundation	Grout Soil Drilling Rock Drilling Casing Railroad Rails Steel Piles (W & HP Beams)	Earthwork Equipment Labor Materials for Installation
30-30-2 Steel Piles Reinforced Concrete Cap	Grout 60 KSI Reinforcing Steel Concrete Soil Drilling Rock Drilling Casing Railroad Rails Steel Piles (W & HP Beams)	Concrete Admixture Concrete Finishing Earthwork Equipment Formwork Labor Materials for Installation
30-40-1 Gabion Retaining Walls	Filter Fabric Geo-Grid Class II Backfill Hoe Ram Class II/III (For Base) Retaining Wall Subdrain Gabion Retaining Wall Chain-Link Fence	Earthwork Equipment Formwork Labor Materials for Installation Steel

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
30-50-1 Concrete Gravity Wall	60 KSI Reinforcing Steel Concrete Filter Fabric Geo-Grid No. 2 Stone Backfill Class II Backfill Hoe Ram Sheet-Chimney Drain Retaining Wall Subdrain Chain-Link Fence	Concrete Admixture Concrete Finishing Concrete Masonry Coating Earthwork Equipment Formwork Labor Materials for Installation Subgrade Preparation Weep hole Pipes
30-50-2 Concrete Gravity Wall- Notes & Quantities	NA	NA
30-60-1 Reinforced Concrete Wall (Heights From 5' To 20')	60 KSI Reinforcing Steel Concrete Filter Fabric Geo-Grid Class II Backfill Hoe Ram Sheet-Chimney Drain Retaining Wall Subdrain Dense Grade Aggregate Chain-Link Fence	Concrete Admixture Concrete Finishing Concrete Masonry Coating Earthwork Equipment Formwork Labor Materials for Installation Subgrade Preparation Weep hole Pipes
30-60-2 Reinforced Concrete Wall - Construction Notes & Quantities	NA	NA
30-60-3 Reinforced Concrete Wall - Joints & Weep Holes	NA	NA
30-60-4 Reinforced Concrete Wall - Step Footer	NA	NA

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
30-60-5 Reinforced Concrete Wall - Bends	NA	NA
30-60-6 Reinforced Concrete Wall & Grated Trench Drain	60 KSI Reinforcing Steel Concrete Filter Fabric Geo-Grid Grate & Anchor Retaining Wall Subdrain Dense Grade Aggregate Flowable Fill	Concrete Admixture Concrete Finishing Concrete Masonry Coating Earthwork Equipment Formwork Labor Materials for Installation Weep hole Pipes
30-70-1 Pile & Lagging Wall- Sheet 1	60 KSI Reinforcing Steel Concrete Filter Fabric Geo-Grid No. 2 Stone Backfill Class II Backfill Retaining Wall Subdrain Soil Drilling Rock Drilling Casing Steel Piles (W & HP Beams) Pre-Cast Concrete Lagging Chain-Link Fence	Concrete Admixture Concrete Finishing Concrete Masonry Coating Earthwork Equipment Formwork Labor Materials for Installation Paint
30-70-2 Pile & Lagging Wall- Sheet 2	60 KSI Reinforcing Steel Concrete Soil Drilling Rock Drilling Casing Steel Piles (W & HP Beams)	Concrete Admixture Concrete Finishing Earthwork Equipment Formwork Labor Materials for Installation Paint
30-70-3 Steel Pile- Splicing Details	NA	Equipment Labor Materials for Completion Paint Welding

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
30-80-1 Reinforced Concrete Piles & Cap	60 KSI Reinforcing Steel Concrete Soil Drilling Rock Drilling Casing	Concrete Admixture Concrete Finishing Earthwork Equipment Formwork Labor Materials for Installation
30-90-1 Soil Reinforcing Tubes- Sheet 1	Sheet-Chimney Drain Soil Drilling Rock Drilling Soil Reinforcing Tubes Shotcrete Highwall-Slope Rockfall Netting- Light Duty	Concrete Admixture Concrete Finishing Earthwork Equipment Formwork Labor Materials for Installation
30-90-2 Soil Reinforcing Tubes- Sheet 2	Sheet-Chimney Drain Soil Drilling Rock Drilling Soil Reinforcing Tubes Shotcrete Highwall-Slope Rockfall Netting- Light Duty	Concrete Admixture Concrete Finishing Earthwork Equipment Formwork Labor Materials for Installation
40-10-1 Concrete Mine Shaft Monument	Concrete Shaft Monument	Concrete Concrete Admixture Concrete Finishing Concrete Masonry Coating Earthwork Equipment Formwork Labor Materials for Installation Paint Steel
40-10-2 Subsidence And Mine Backfill	Class II Backfill	Equipment Labor Materials for Installation Revegetation

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
40-10-3 Mountain Break Backfill	Pneumatic Backstow- Pea Gravel Polyurethane Foam	Earthwork Equipment Labor Materials for Installation Pipe Revegetation
40-20-1 Standard Non-Wildlife Accessible Closure	Portal Closure	Backfill Aggregate Earthwork Equipment Filter Fabric Labor Materials for Installation Pipe Revegetation Screen
40-20-2 Standard Wildlife Accessible Closure	Pneumatic Backstow- Pea Gravel Portal Closure	Backfill Aggregate Earthwork Equipment Grate Labor Materials for Installation Pipe Revegetation
40-20-3 Standard Closures W/ Polyurethane Foam	Polyurethane Foam Portal Closure	Backfill Aggregate Earthwork Equipment Filter Fabric Grate Labor Materials for Installation Pipe Revegetation
40-20-4 Portal Closure W/ Gabion Retaining Wall	Gabion Retaining Wall Portal Closure	Backfill Aggregate Earthwork Equipment Filter Fabric Grate Labor Materials for Installation Pipe Revegetation

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
40-20-5 Closure W/ Exterior Bars In Concrete Block	Portal Closure	Concrete Block Concrete Concrete Admixture Earthwork Equipment Labor Materials for Installation Mortar Paint Revegetation Steel
40-20-6 Closure W/ Exterior Bars Set In Concrete	Portal Closure	Concrete Concrete Admixture Earthwork Equipment Grate Labor Materials for Installation Paint Revegetation Steel Welding
40-20-7 Closure Exterior Bars Details	NA	NA
40-20-8 Concrete Block Closure	Portal Closure	Concrete Block Earthwork Equipment Labor Materials for Installation Mortar Paint Pipe Screen Revegetation



DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
40-20-9 Concrete Block Closure W/ Human Access	Portal Closure	Concrete Block Door Earthwork Equipment Labor Lock Materials for Installation Mortar Paint Revegetation
40-20-10 Auger Closure W/ Class II Backfill	Auger Hole Closure	Earthwork Equipment Filter Fabric Labor Materials for Installation Revegetation
40-20-11 Closure General Notes	NA	NA
40-30-1 Highwall Restoration	Sheet-Chimney Drain Shotcrete Highwall-Slope Rockfall Netting- Light Duty	Anchors Earthwork Equipment Labor Materials for Installation Steel
40-30-2 Highwall Restoration For Dangerous Overhangs	Sheet-Chimney Drain Pneumatic Backstow- Pea Gravel Shotcrete Highwall-Slope Rockfall Netting- Light Duty	Anchors Concrete Admixture Earthwork Equipment Filter Fabric Labor Materials for Installation Steel Weep hole Pipes

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
50-10-1 Stabilized Construction Entrance	Filter Fabric Geo-Grid Class II / III HDPE Pipe- Standard HDPE Pipe- Steel Reinforced CMP Roadway Stone	Backfill Aggregate Earthwork Equipment Labor Materials for Installation
50-10-2 Curb Barriers	Curb Barrier	Anchors Equipment Labor Materials for Installation
50-10-3 Bituminous Pavement Restoration	Bituminous Repair Flowable Fill	Equipment Labor Materials for Installation Subgrade Preparation
50-10-4 Bituminous Pavement Restoration W/ Pipe	RCP Bituminous Repair Flowable Fill	Earthwork Equipment Labor Materials for Installation
50-10-5 Access Gate - 16' Steel Tube	Access Gate	Concrete Equipment Lock Materials for Installation
50-10-6 Concrete Block-Interlocking Mat	Concrete Geo-Grid Roadway Stone Concrete Block- Interlocking Mat	Equipment Formwork Labor Materials for Installation Subgrade Preparation

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
50-10-7 Temporary Low Water Crossing	Temporary Low Water Crossing	Aggregate Concrete Equipment Labor Materials for Installation Maintenance Pipes Removal and Reclamation Revegetation Subgrade Preparation Temporary Removal & Replacement (Due to high flows)
50-10-8 Temporary Access Bridge	Temporary Access Bridge	Earthwork Equipment Labor Materials for Installation Maintenance Removal and Reclamation
50-10-9 Mountable Berm	Filter Fabric Roadway Stone	Earthwork Equipment Labor Materials for Installation
50-20-1 Debris Barrier Wall- Bale & Plywood	Debris Barrier Wall- Bale & Plywood	Concrete Earthwork Equipment Labor Materials for Installation
50-20-2 Debris Barrier Wall- Permanent	Grout Concrete Soil Drilling Rock Drilling Casing Schedule 80 Pipe Steel Panels	Equipment Labor Materials for Installation Paint

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
50-20-3 Guardrail Panel Wall- Steel Piles	Grout No. 2 Stone Backfill Class II Backfill Soil Drilling Rock Drilling Casing Railroad Rails. Steel Piles (W## X ###) Steel Panels Guardrail Lagging	Equipment Labor Materials for Installation Paint
50-20-4 Guardrail Panel Wall- Pipe Support	Grout Soil Drilling Rock Drilling Casing Schedule 80 Pipe Steel Panels Guardrail Lagging	Equipment Labor Materials for Installation Paint
50-20-5 Chain-Link Fence	Chain-Link Fence	Concrete Equipment Labor Materials for Installation
50-20-6 Woven-Wire Fence	Woven-Wire Fence	Concrete Equipment Labor Materials for Installation
50-20-7 Concrete Jersey Barrier	Concrete Jersey Barrier	Anchors Equipment Labor Materials for Installation
50-20-8A Steel Beam Guardrail	Steel "W" Beam Guardrail Barrier	Equipment Labor Materials for Installation
50-20-8B Guardrail Components	NA	NA
50-20-8C Guardrail Post- Steel	NA	NA

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
50-20-8D Guardrail Post-Timber	NA	NA
50-20-9 Guardrail Terminal Section	Guardrail Terminal Section	Equipment Labor Materials for Installation

Proposed

DETAIL	BID ITEMS (Not all items always required)	MAJOR INCIDENTALS
70-10-1 Slope or Embankment Foundation Benches	Hoe Ram Earthwork	Equipment Labor
70-10-2 Slope Reconstruction	Filter Fabric No. 57 Stone Backfill No. 2 Stone Backfill Hoe Ram Earthwork Erosion Control Blanket- ECB Class II / III Cyclopean Rip-Rap Onsite Rock	Equipment Labor Materials for Installation
70-10-3 Benches	Earthwork	Equipment Labor
70-10-4 Cover Material Placement	Earthwork Agricultural Limestone	Equipment Labor Materials for Installation
70-10-5 ECB Slope Installation	Erosion Control Blanket- ECB	NA
70-20-1 Gate Valve And Housing	Added When Needed	Added When Needed
70-20-2 Flume- Timber	Added When Needed	Added When Needed
70-20-3 Spreader Bar Baffle	Added When Needed	Added When Needed
70-30-1 Gabion Basket Assembly	NA	NA